An Example for Use of Public Key -인증서요청과발급

X.509 인증서 구조

Version

Serial number

Signature algorithm identifier

Issuer name

Period of validity(시작일, 만료일)

Subject name

Subject's public-key information

Issuer unique identifier(Optional)

Subject unique identifier(Optional)

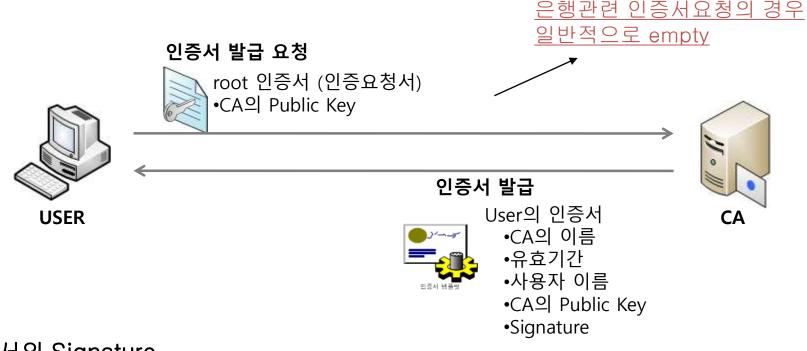
Extensions

Signature

- Signature algorithm identifier
 - 사용한 해쉬 알고리즘
 - 매개변수
- Subject's public-key information
 - 사용한 공개키 알고리즘
 - 매개변수
 - 공개키
- Signature : 다른 필드 전체로 digest를 만들고, CA의 Private Key로 암호화한다

An Example for Use of Public Key - 인증서요청과발급

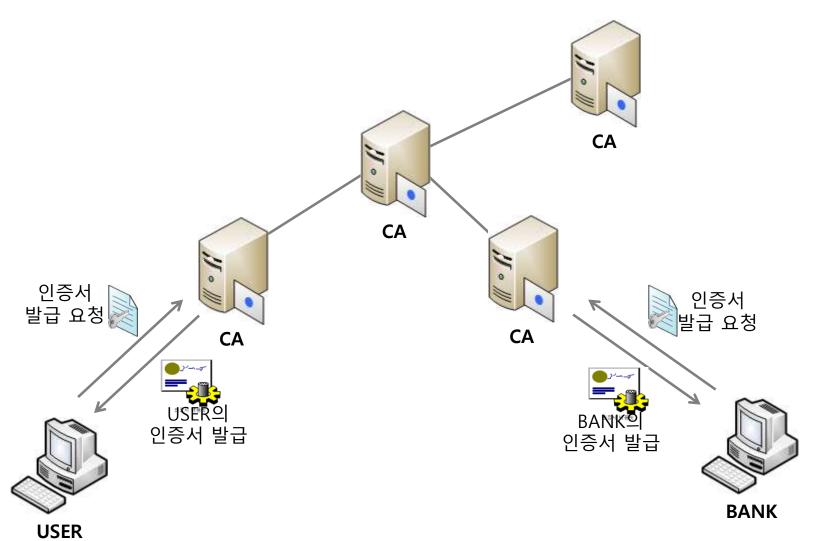
• 인증서 발급 절차



• 인증서의 Signature

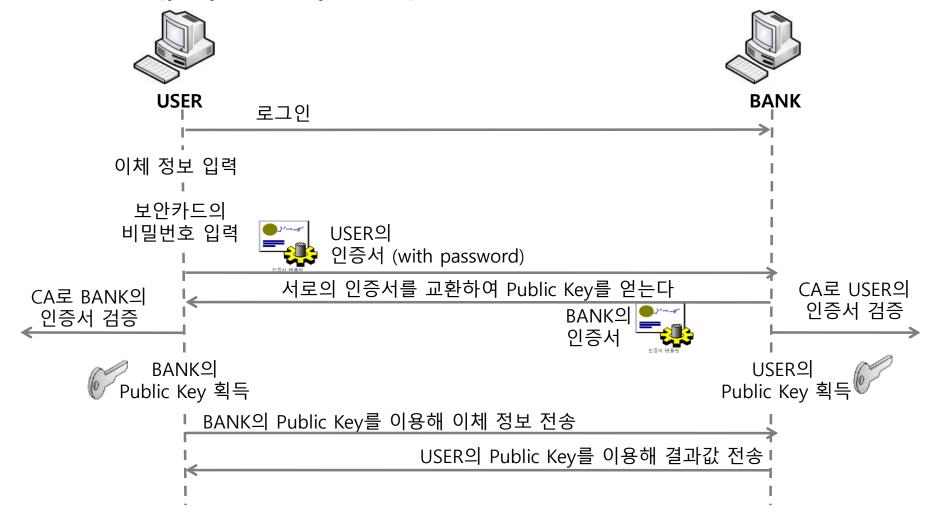
Signature를 제외한 모든 필드로 digest를 만들고, 이 digest를 CA의 Private Key로 암호화한 것이다. 일종의 전자서명으로 인증서의 내용이 사실임을 CA가 공증하는 것이다.

An Example for Use of Public Key - 인증서요청과 발급



An Example for Use of Public Key -인증서요청과발급

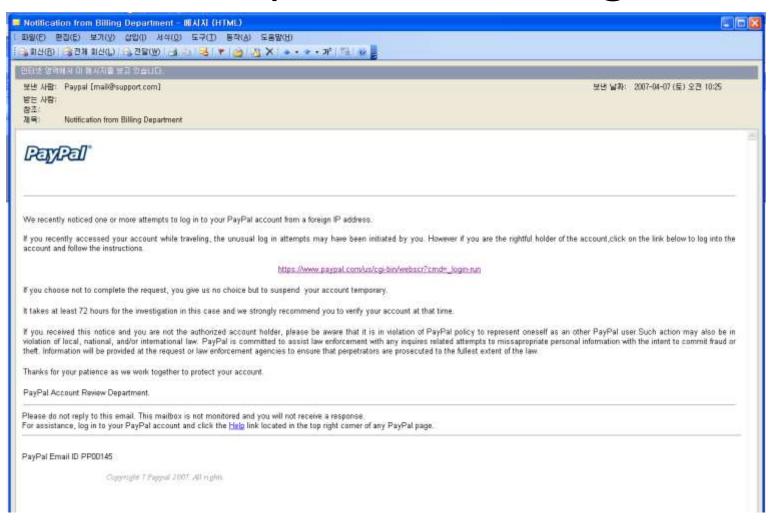
• 실 예제: 인터넷 뱅킹



About Phishing

- Phishing is a <u>criminal</u> activity using <u>social engineering</u> techniques.
- Phishers attempt to <u>fraudulently</u> acquire sensitive information, such as usernames, <u>passwords</u> and <u>credit</u> <u>card</u> details, by masquerading as a trustworthy entity in an electronic communication.
- <u>Ebay</u> and <u>PayPal</u> are two of the most targeted companies, and online banks are also common targets.
- Phishing is typically carried out using <u>email</u> or an <u>instant message</u>, and often directs users to a website, although phone contact has been used as well.

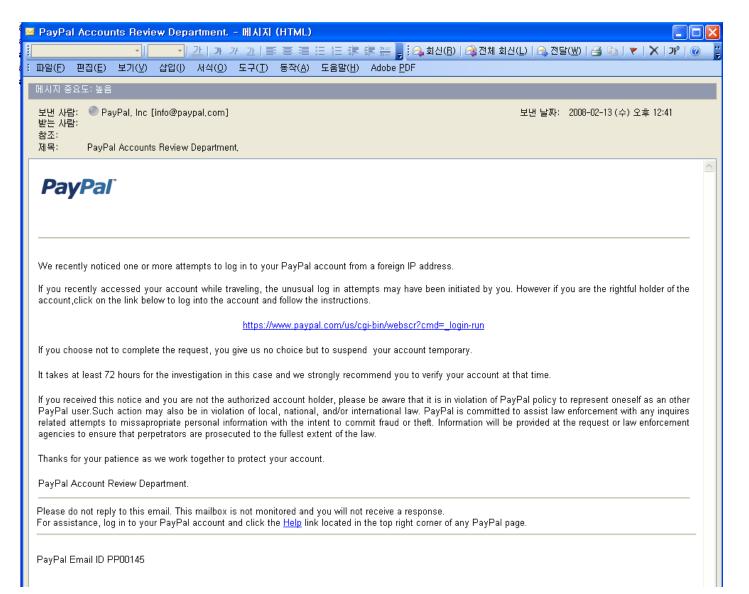
An Example of Phishing (1)



An Example of Phishing(2)



An Example of Phishing(3)



An Example of Phishing

보낸 사람: Wells Fargo Online <alerts@notify,wellsfargo.com> 받는 사람: iie@khu,ac,kr; cshong@khu,ac,kr; trhahn@khu,ac,kr

제목: Wells Fargo Checking Account Update

| 回入| | MellsFargo--CheckingAccount-Status-Report-V94DP-March-2012.zip (48 KB)



wellsfargo.com

An update on your checking account activity

Here is the update you requested for your Wells Fargo checking account XXXXXX3245.

Balance Summary

Ending Balance: \$11.823.36

Available Balance(as of Tue, 20 Mar 2012 15:56:34 \$3,180,54

Deposits

ONLINE TRANSFER REF #IBE4156687 FROM CHECKING XXXXXX7587 ON 01/24/12

\$581.00

This information is accurate as of Tue, 20 Mar 2012 15:56:34 +0100. For the most current balance and more account details, open attached report and go to Account Activity Section for this account.

If you have questions, Wells Fargo Online Customer Service is available 24 hours a day, 7 days a week. Call us at 1-800-956-4442 or sign on to send a secure email.

wellsfargo.com | Fraud Information Center

Note about balances; Ending balance reflects transactions that have posted to your account and does not reflect pending deposits or withdrawals. The available balance is an indication of funds that are available to you today; however, it may not reflect all transactions that you may have initiated or authorized.

Available Balance - This is the amount of money you have in your account that is available for withdrawal. It reflects the latest balance based on transactions posted to your account, including deposited funds, paid checks, withdrawals, and purchases made with your ATM Card or Debit Card. Please note that some transaction activity (such as outstanding checks and some Debit Card purchases) may take several days to post to your account and, therefore, may not be reflected in the available balance. Some deposits made in a store or ATM may not be immediately available for withdrawal or to cover other transactions.

Please do not reply to this email directly. To ensure a prompt and secure response, sign on to email us.

To modify or cancel your alerts, sign on, go to Messages & Alerts, and select Set Up/Modify Alerts.